



**United States Environmental Protection Agency  
Region 9 Laboratory**

**1337 S. 46th Street Building 201  
Richmond, CA 94804**

**Date:** 2/2/2012

**Subject:** Analytical Testing Results - Project R33911  
SDG: 12027B

**From:** Brenda Bettencourt, Director  
EPA Region 9 Laboratory  
MTS-2

**To:** Richard Fetzer  
US EPA Region 3, Eastern Response Branch  
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

**Analyses included in this report:**

---

Extractable Petroleum Hydrocarbons by  
GC/FID



United States Environmental Protection Agency  
**Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804  
Phone:(510) 412-2300 Fax:(510) 412-2302

**Project Manager:** Richard Fetzer

**Project Number:** R33911

**Project:** Dimock Residential Groundwater

**US EPA Region 3, Eastern Response Branch**

**100 Gypsum Road**

**Stroudsburg PA, 18360**

**SDG:** 12027B

**Reported:** 02/02/12 15:27

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
FB01	1201031-01	Water	01/23/12 14:42	01/27/12 09:52
FB02	1201031-02	Water	01/24/12 12:11	01/27/12 09:52
HW04	1201031-03	Water	01/24/12 14:33	01/27/12 09:52
HW19	1201031-04	Water	01/23/12 17:47	01/27/12 09:52
HW19-P	1201031-05	Water	01/23/12 19:07	01/27/12 09:52
FB03	1201033-01	Water	01/25/12 10:01	01/28/12 10:05
HW02	1201033-02	Water	01/25/12 12:58	01/28/12 10:05
HW02z	1201033-03	Water	01/25/12 12:59	01/28/12 10:05
HW08a	1201033-04	Water	01/25/12 11:46	01/28/12 10:05

**SDG ID 12027B**

Extractable Petroleum Hydrocarbons:

Insufficient sample volume was provided to perform a matrix spike / matrix spike duplicate set on any samples in this SDG.

**Work Order(s)**

**1201031**

**1201033**



United States Environmental Protection Agency  
**Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804  
Phone:(510) 412-2300 Fax:(510) 412-2302

**Project Manager:** Richard Fetzer  
**Project Number:** R33911  
**Project:** Dimock Residential Groundwater

**US EPA Region 3, Eastern Response Branch**  
**100 Gypsum Road**  
**Stroudsburg PA, 18360**

**SDG:** 12027B  
**Reported:** 02/02/12 15:27

## Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID: 1201031-01</b>						<b>Water - Sampled: 01/23/12 14:42</b>			
<b>Sample ID: FB01</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0065	01/27/12	01/30/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		92 %		60-127%		"	"	"	
<b>Lab ID: 1201031-02</b>						<b>Water - Sampled: 01/24/12 12:11</b>			
<b>Sample ID: FB02</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	240	ug/L	B2A0065	01/27/12	01/30/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	950	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		86 %		60-127%		"	"	"	
<b>Lab ID: 1201031-03</b>						<b>Water - Sampled: 01/24/12 14:33</b>			
<b>Sample ID: HW04</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	240	ug/L	B2A0065	01/27/12	01/30/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	950	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		87 %		60-127%		"	"	"	
<b>Lab ID: 1201031-04</b>						<b>Water - Sampled: 01/23/12 17:47</b>			
<b>Sample ID: HW19</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0065	01/27/12	01/30/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		82 %		60-127%		"	"	"	
<b>Lab ID: 1201031-05</b>						<b>Water - Sampled: 01/23/12 19:07</b>			
<b>Sample ID: HW19-P</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	240	ug/L	B2A0065	01/27/12	01/30/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	950	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		90 %		60-127%		"	"	"	
<b>Lab ID: 1201033-01</b>						<b>Water - Sampled: 01/25/12 10:01</b>			
<b>Sample ID: FB03</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0071	01/30/12	01/31/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		96 %		60-127%		"	"	"	
<b>Lab ID: 1201033-02</b>						<b>Water - Sampled: 01/25/12 12:58</b>			
<b>Sample ID: HW02</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0071	01/30/12	01/31/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		97 %		60-127%		"	"	"	
<b>Lab ID: 1201033-03</b>						<b>Water - Sampled: 01/25/12 12:59</b>			



United States Environmental Protection Agency  
**Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804  
Phone:(510) 412-2300 Fax:(510) 412-2302

**Project Manager:** Richard Fetzer  
**Project Number:** R33911  
**Project:** Dimock Residential Groundwater

**US EPA Region 3, Eastern Response Branch**  
**100 Gypsum Road**  
**Stroudsburg PA, 18360**

**SDG:** 12027B  
**Reported:** 02/02/12 15:27

## Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
---------	-------------------------	--------	--------------------------	-----------------------	-------	-------	----------	----------	--------

**Lab ID:** 1201033-03

**Water - Sampled:** 01/25/12 12:59

**Sample ID:** HW02z

**Extractable Petroleum Hydrocarbons by EPA Method 8015B**

TPH - Diesel Range Organics ND U 250 ug/L B2A0071 01/30/12 01/31/12 8015C/SOP385

TPH - Oil Range Organics ND U 1,000 " " " " 8015C/SOP385

*Surrogate: Hexacosane*

91 %

60-127%

"

"

"

**Lab ID:** 1201033-04

**Water - Sampled:** 01/25/12 11:46

**Sample ID:** HW08a

**Extractable Petroleum Hydrocarbons by EPA Method 8015B**

TPH - Diesel Range Organics ND U 250 ug/L B2A0071 01/30/12 01/31/12 8015C/SOP385

TPH - Oil Range Organics ND U 1,000 " " " " 8015C/SOP385

*Surrogate: Hexacosane*

86 %

60-127%

"

"

"

## Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	--------------------------	-----------------------	-------	----------------	------------------	------	----------------	-----	--------------

**Batch B2A0065 - 3520C CLLE - TPH - Extractable**

**Prepared:** 01/27/12 **Analyzed:** 01/30/12

**Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control**

**Blank (B2A0065-BLK1)**

TPH - Diesel Range Organics ND U 250 ug/L

TPH - Oil Range Organics ND U 1,000 "

*Surrogate: Hexacosane*

129

"

150

86

60-127

**LCS (B2A0065-BS1)**

TPH - Diesel Range Organics 1,090 180 ug/L 1100 99 54-115 200

*Surrogate: Hexacosane*

108

"

110

98

60-127

**Batch B2A0071 - 3520C CLLE - TPH - Extractable**

**Prepared:** 01/30/12 **Analyzed:** 01/31/12

**Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control**

**Blank (B2A0071-BLK1)**

TPH - Diesel Range Organics ND U 250 ug/L

TPH - Oil Range Organics ND U 1,000 "

*Surrogate: Hexacosane*

145

"

150

96

60-127

**LCS (B2A0071-BS1)**

TPH - Diesel Range Organics 1,220 250 ug/L 1500 82 54-115 200

*Surrogate: Hexacosane*

130

"

150

87

60-127



United States Environmental Protection Agency  
**Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804  
Phone:(510) 412-2300 Fax:(510) 412-2302

**Project Manager:** Richard Fetzer

**US EPA Region 3, Eastern Response Branch**

**SDG:** 12027B

**Project Number:** R33911

**100 Gypsum Road**

**Reported:** 02/02/12 15:27

**Project:** Dimock Residential Groundwater

**Stroudsburg PA, 18360**

**Qualifiers and Comments**

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.